

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD  
CENTRAL VALLEY REGION

MONITORING AND REPORTING PROGRAM NO. R5-2007-XXXX

FOR  
SHASTA LAKE RESORTS LIMITED PARTNERSHIP  
DBA SUGARLOAF RESORT  
AND  
U.S. DEPARTMENT OF AGRICULTURE FOREST SERVICE  
SHASTA COUNTY

This Monitoring and Reporting Program (MRP) describes requirements for monitoring of the sewage and/or gray water collection and disposal system, surface water, groundwater, houseboat maintenance area, and above ground petroleum storage.

The Discharger shall submit a monthly monitoring report to the Regional Board Office, which includes monitoring of the sewage collection and disposal system, groundwater, and surface water, as stipulated below. Monthly monitoring reports shall be submitted to the Regional Water Board by the end of the month following the reporting period in which samples were collected and/or observations made.

**SEWAGE COLLECTION SYSTEM MONITORING**

Wastewater from the marina and houseboats is pumped from the docks to a series of septic tanks on-shore with a total capacity of 15,000 gallons. A two-inch force main carries the effluent to a disposal field where a splitter box diverts the flow to four zones of leach fields.

The Discharger shall inject an approved tracer dye, on a quarterly basis, into the sewage collection system on the marina to test for leaks and report whether dye was observed. If dye is observed, the release shall be reported to the Regional Water Board within 24 hours, and corrective action measures shall be implemented immediately.

**SEPTIC TANK AND HOLDING TANK MONITORING**

Septic tank maintenance inspections shall be performed at least annually. Information concerning inspections and maintenance activities (including, but not limited to, pumping, replacement, and repairs) shall be reported in the corresponding monthly monitoring report.

The contents from the holding tank, marina septic tank, and residential septic tank shall be periodically removed. The last date of service of each septic tank and holding tank and the quantity of sewage removed shall also be reported.

In addition, the Discharger shall record the quantity of sewage pumped from the marina to the holding tank and from the holding tank to the leachfield on a daily basis and report the results monthly.

## LEACHFIELD MONITORING

The Discharger shall inspect the leachfields and report the presence or absence of saturated soils or standing liquid each month.

A grab sample of the septic tank effluent shall be collected prior to discharging to the marina leachfield and analyzed for at least the following:

**Table 1 Summary of leachfield monitoring**

PARAMETER	UNITS	FREQUENCY
Kjeldahl-Nitrogen	mg/L	Semiannual
Nitrate-Nitrogen	mg/L	Semiannual
Fecal Coliform	MPN/100 mL	Semiannual
Formaldehyde	µg/L	Semiannual
Biological Oxygen Demand	mg/L	Semiannual
Total Suspended Solids	mg/L	Semiannual

\*Semiannual samples shall be collected in March and August each year

## GROUNDWATER MONITORING

The Discharger shall install a groundwater water monitoring network, which consists of at least two downgradient monitoring wells and one background well. Groundwater monitoring locations shall be sampled in accordance with the following schedule in Table 2.

**Table 2 Summary of groundwater monitoring**

PARAMETER	UNITS	FREQUENCY
Nitrate-Nitrogen	mg/L	Quarterly
Kjeldahl Nitrogen	mg/L	Quarterly
Total Coliform	MPN/100 mL	Quarterly
Fecal Coliform	MPN/100 mL	Quarterly
Formaldehyde	µg/L	Quarterly
Total Organic Carbon	mg/L	Quarterly
Total Dissolved Solids	mg/L	Quarterly
Electrical Conductivity	µmhos/cm	Quarterly
Dissolved Oxygen	mg/L	Quarterly

## **SURFACE WATER MONITORING**

Surface water samples shall be collected around the marina each month from May through September, in the general areas depicted in Attachment B, and analyzed for total and fecal coliform (Standard Method 9221 or 9222). Samples shall be collected, even if the dock configuration changes.

If any fecal coliform analysis exceeds 400/100 mL or if the geometric mean of fecal coliform analyses taken within any 30 day period exceed 200/100 mL, the Discharger shall immediately report the results, dye test the sewage collection system, and re-analyze all receiving water stations. Sampling shall continue daily until compliance is achieved.

## **STANDARD OBSERVATIONS**

The moorage area shall be visually inspected, at least monthly, to determine if boats are discharging gray water while moored at the facility. If gray water discharges are occurring, the vessel identification number and moorage area shall be noted and reported to the Regional Water Board. Visual observations and inspections notes shall be included in the monthly monitoring report. A log shall be kept of the water conditions with attention given to the presence or absence of:

- Floating or suspended matter
- Oil sheen or slick
- Discoloration
- Scum or foam
- Aquatic life

## **REPORTING**

The Discharger shall arrange monitoring data in tabular form so that the date, sample type, and analytical result for each sample area readily discernible. The data shall be summarized in such a manner to illustrate clearly the compliance with waste discharge requirements. The results of any monitoring done more frequently than required at the locations specified in the MRP shall be reported to the Regional Water Board.

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The Discharger shall implement the above monitoring program as of the date of this Order.  
The Discharger shall comply with the MRP until a revised MRP is issued by the Executive Officer.

Ordered by: \_\_\_\_\_  
PAMELA C. CREEDON, Executive Officer

KB: sae  
5/30/2007  
SLR\_Sugarloaf\_mrp